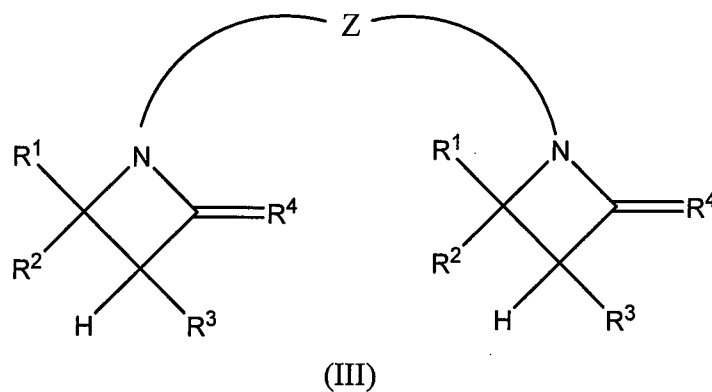
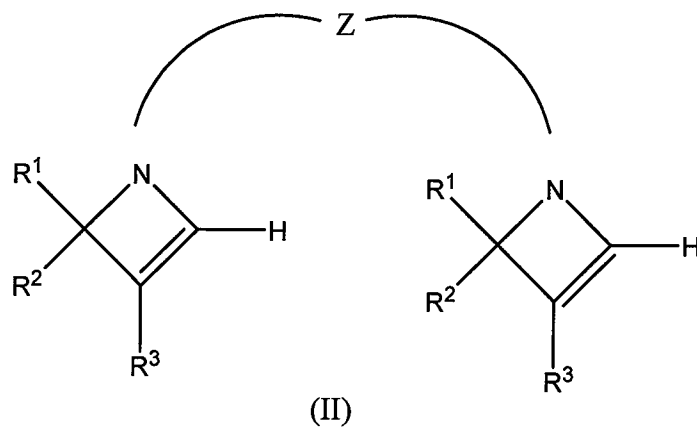


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An azetidine derivative of the general formula (II) or (III)



where

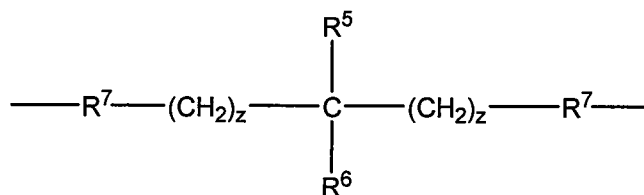
R¹, R² and R³ independently of one another are H, C₁-C₂₀ alkyl, C₃-C₈ cycloalkyl,

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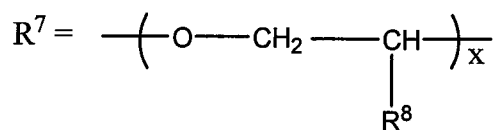
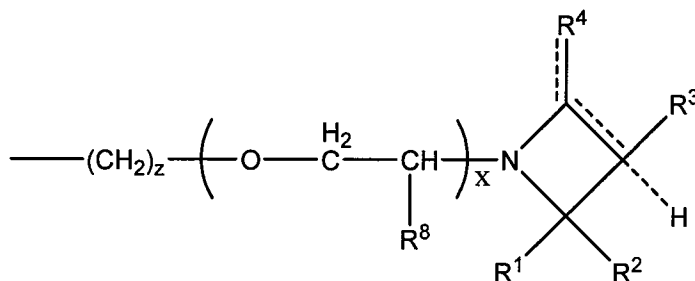
C₆-C₁₀ aryl or alkylaryl with C₁-C₄ alkyl and C₆-C₁₀ aryl groups

R⁴ = H, or C₁-C₆ alkyl (idene)

Z = C₂-C₂₅ alkylidene, C₅-C₂₅ cycloalkylidene, C₆-C₂₄ arylene or



R⁵ and R⁶ = H, CH₂OH, C₁-C₄ alkyl, C₆H₅ or



R⁸ = H, CH₃, C₂H₅, or C₆H₅

z = 0 or 1

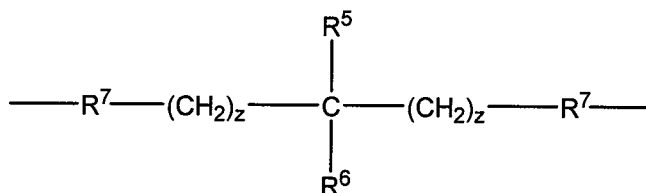
x = 0 to 100.

2. (Canceled)

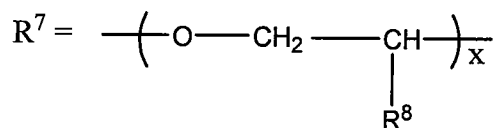
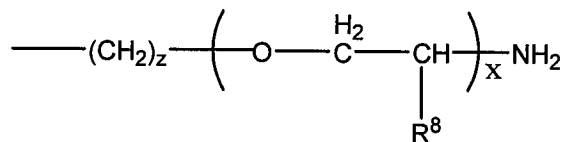
3. (Canceled)

4. (Currently Amended) A method for producing an azetidine derivative of claim 1, wherein a polyamine of the formula $\text{NH}_2\text{-Z}'\text{-NH}_2$ is reacted with an α,β -unsaturated aldehyde of the formula $\text{R}^1\text{R}^2\text{-C=CR}^3\text{CHO}$ or with an α,β -unsaturated ketone of the formula $\text{R}^1\text{R}^2\text{-C=CR}^3\text{-COR}^4$ in the temperature range from 20 to 150°C, where Z' is

$\text{C}_2\text{-C}_{25}$ alkylidene, $\text{C}_5\text{-C}_{25}$ cycloalkylidene, $\text{C}_6\text{-C}_{24}$ arylene, and or



R^5 and $\text{R}^6 = \text{H}, \text{CH}_2\text{OH}, \text{C}_1\text{-C}_4$ alkyl, C_6H_5 , or



$\text{R}^8 = \text{H}, \text{CH}_3, \text{C}_2\text{H}_5$, or C_6H_5

$z = 0$ or 1

$x = 0$ to 100

R^1, R^2 and R^3 independently of one another are $\text{H}, \text{C}_1\text{-C}_{20}$ alkyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_6\text{-C}_{10}$ aryl or alkylaryl with $\text{C}_1\text{-C}_4$ alkyl and $\text{C}_6\text{-C}_{10}$ aryl groups;

$\text{R}^4 = \text{H}$, or $\text{C}_1\text{-C}_6$ alkyl (idene).

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5. (Previously Presented) The method of claim 4, wherein the reaction is carried out in the presence of an organic solvent.

6-11. (Canceled)